

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Kewaunee Nuclear Power Plant										DOCKET NUMBER (2) 0 5 0 0 0 1 3 1 0 1 5					PAGE (3) 1 OF 012			
TITLE (4) Rx Trip Due to SF/FF Mismatch Signal Coincident With Lo S/G Level																		
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)								
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)					
0 4	0 5	8 5	8 5	0 1 0	0 0	0 5	0 3	8 5	N/A				0 5 0 0 0					
OPERATING MODE (9) N			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)															
POWER LEVEL (10) 0 0 0			20.402(b)				20.408(c)				X 80.73(a)(2)(iv)				73.71(b)			
			20.408(a)(1)(i)				80.36(c)(1)				80.73(a)(2)(v)				73.71(c)			
			20.408(a)(1)(ii)				80.36(c)(2)				80.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)			
			20.408(a)(1)(iii)				80.73(a)(2)(i)				80.73(a)(2)(viii)(A)							
			20.408(a)(1)(iv)				80.73(a)(2)(ii)				80.73(a)(2)(viii)(B)							
			20.408(a)(1)(v)				80.73(a)(2)(iii)				80.73(a)(2)(ix)							
LICENSEE CONTACT FOR THIS LER (12)																		
NAME T. J. Vukovich, Plant Nuclear Engineer										TELEPHONE NUMBER AREA CODE 4 1 4 3 8 8 - 2 5 6 0								
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																		
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC								
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR		
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO		N/A				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On April 5, 1985, the plant was in the Hot Shutdown Operating Mode with the Reactor subcritical, following a refueling outage. Shutdown Banks A & B and Control Bank C were fully withdrawn in preparation for rod drop testing. A reactor trip occurred due to a Steam Flow greater than Feed Flow signal coincident with a Lo Steam Generator (S/G) Level Signal. The operators performed the immediate actions prescribed in the Reactor Trip procedure.

Investigation revealed that one transmitter for Feed Flow and one transmitter for Steam Flow were out of calibration resulting in a SF > FF trip signal being present. The Balance of Plant operator allowed the level in Steam Generator 1A to drop to the low level setpoint. Because there was a SF > FF signal present this completed the coincidence, and a RX trip occurred.

The Feed Flow and Steam Flow instruments were recalibrated prior to continuing with rod drop testing. The operator was reminded of the importance of reactor trip signals even when the plant is shutdown. No further corrective action is planned.

The Reactor Protection System performed as required, and there was no impact on the health and safety of the public.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Kewaunee Nuclear Power Plant	DOCKET NUMBER (2) 0 5 0 0 0 3 0 5 8 5	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 5	0 1 0	0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 365A's) (17)

On April 5, 1985, the plant was in the Hot Shutdown Operating Mode with the reactor subcritical, following a refueling outage. Shutdown Banks A & B and Control Bank C were fully withdrawn in preparation for rod (ROD) drop testing. The Reactor Coolant (AB) average temperature was 547°F and was being controlled by the power operated relief valve (RV) on the 1B Steam Generator (SG). The power operated relief valve on the 1A Steam Generator was not being used because of a steam leak in the hypalon boot seal between the valve discharge piping and the Auxiliary Building (NF) roof. The level in the 1A Steam Generator was being manually controlled using a "feed and bleed" procedure, allowing the level to cycle above the low level alarm setpoint.

The Balance of Plant Operator allowed the level in the 1A S/G to drop to the Lo Level (25%) setpoint, and a reactor trip occurred.

Investigation of the trip revealed that it was caused by a Steam Flow-Feed Flow mismatch coincident with Lo S/G level. The Steam Flow greater than Feed Flow signal existed because one Feed Flow and one Steam Flow transmitter (FT) were out of calibration.

The Feed Flow and Steam Flow instruments were recalibrated prior to continuing with rod drop testing. The operator was reminded of the importance of reactor trip signals even when the plant is shutdown. No further corrective action is planned.

The Reactor Protection System performed as required, and there was no impact on the health and safety of the public.

WISCONSIN PUBLIC SERVICE CORPORATION

P.O. Box 1200, Green Bay, WI 54305



May 3, 1985

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Reportable Occurrence 85-010-00

In accordance with the requirements of 10 CFR 50.73 "Licensee Event Report System", the attached Licensee Event Report for reportable occurrence 85-010-00 is being submitted.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Charles A. Schrock for".

D. C. Hintz
Manager - Nuclear Power

JGT/js

Attach.

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